

DRAFT
GORDON CONFERENCE ON PHAGOCYTES JUNE 23-28, 1991
Holderness School, Plymouth, VT

Sunday Evening--FEATURED SPEAKER

Michael Berridge--Inositol Phosphates and Calcium in Cell Signalling (invited)
or
Axel Ullrich, Max Planck Institute for Biochemistry (Martinsried, FRG)--Assembly
of Multimeric Protein Complexes on Cell Surface Receptors (suggested by Roos)

Monday AM--RECEPTORS--Sally Zigmond, Chair

(Pick 4)

- o LPS receptors--S. Wright
- o Scavenger/atherosclerosis--Monty Krieger, Alan Fogelman, Maggie Haberland or
or Dan Steinberg
- o C1, C2 receptors--D. Fearon
- o Fc-gamma--Tom Huizinga or Ravetch
- o FMLP Receptor--Janvier Navarro

PM--ADHESION--Tim Springer, Chair

- o ELAM-1--Michael Bevilacqua or Endothelial cell-leukocyte interactions--M.
Gimbrone, or Harlan or Beatty
- o MEL-14--E.C. Butcher
- o Adhesion molecules in bone marrow--Siamon Gordon or Max Wicha

Tuesday AM--IONS, PUMPS, TRANSPORTERS--Daniel Lew, Chair

(Pick 4)

- o Role of Calcium in Leukocyte Adhesion and Motility--Frederick
Maxfield* (must talk Tuesday)
- o Sodium-Calcium Exchanger--L. Simchowicz
- o Calciosomes--Karl Krause
- o K⁺ currents and their regulation--E. Gallin
- o Transporters--Sergio Grinstein

PM--CYTOSKELETON--Tom Stossel, Chair (Pick 2)

- o Mutants lacking actin binding protein with increased expression of gelsolin
--Tom Stossel
- o Role of small myosins of dictyostelium and amoebae in motility--Tom Pollard

OR Alternatives

- o Contractile Proteins in Permeabilized Cells--Olle Stendahl
- o Induction of gelsolin and actin-binding proteins--D.J. Kwiatkowski
- o Other speakers: Howard or Southwick or Hartwig or Helen Yin

Wednesday AM--SIGNAL TRANSDUCTION--Ralph Snyderman, Chair

- o Signal Transduction--Linda McPhail
- o Protein kinases--C.H. Huang
- o Lipoxins--Charles Serhan

PM--PHAGOCYTE INDUCED TISSUE INJURY--S. Klebanoff, Chair

- o Eosinophil Induced Tissue Damage--G. Gleich
- o Oxidant Damage--S. Weiss or Sig A. Weitzman

Thursday AM--OXIDATIVE PROCESSES--Manfred Karnovsky or R. Clark

- o Assembly by the NADPH oxidase--E. Pick
- o Cytochrome b--J. Curnutte
- o Transfer of p47 gene into p47 deficient B cells--K. Lomax
- o Controversies of NADPH Oxidases System--Review of posters and open discussion. Babior and D. Roos - discussion leaders
Discussants: Malech, Clark and Nauseef, Roos, Segal, Gabig, Curnutte and Babior, etc.

Thursday PM--DEGRANULATION-G. Weissmann, Chair

- o Pancreatic Acinar Cells as a Model of Degranulation--Harvey Pollard
- o Leukocyte Degranulation--B. D. Gomperts
- o Annexins in Granule Fusion--Joel Ernst

Friday AM--CYTOKINES AND GROWTH FACTORS--Carl Nathan, Chair

- o Modulation of Phagocytic Oxidase by Cytokines--Carl Nathan
- o IL-8 Superfamily--M. Baggiolini or Joost Oppenheim (or Leonard)
- o IL-1 Receptor Antagonist--Fabio Cominelli (or C. Dinarello)
- o Growth Factors--David Golde or D. Metcalfe